REMARKS

The specification has been amended to include SEQ ID numbers which were omitted at the time of filing. Attached hereto is a marked-up version of the changes made to the specification by the current amendment. The attached page is captioned "**Version With Markings To Show Changes Made.**"

The undersigned hereby states that the computer readable form copy (CRF copy) of the Sequence Listing and the paper copy of the Sequence Listing, submitted in accordance with 37 C.F.R. § 1.825(a) and (b), respectively, are the same and contain no new matter. Accordingly, entry of the Sequence Listing into the above-captioned case is respectfully requested.

In the unlikely event that the transmittal letter is separated from this document and the Patent Office determines that an extension and/or other relief is required, applicant petitions for any required relief including extensions of time and authorizes the Assistant Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to **Deposit Account No. 03-1952** referencing docket no. 300622005400. However, the Assistant Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

Respectfully submitted,

Dated: January 2, 2003 By: Brenda J. Wallach

Brenda J. Wallach, Ph.D.
Registration No. (45,193)

Morrison & Foerster LLP
3811 Valley Centre Drive
Suite 500
San Diego, California 92130-2332
Telephone: (858) 720-7961
Facsimile: (858) 720-5125

VERSION WITH MARKINGS TO SHOW CHANGES MADE

In the Specification:

Paragraph [58] beginning at page 21 has been amended as follows:

S. erythraea K97-71 contains a chromosomal deletion of the three *eryA* genes and insertion of the *xylE* gene from *Pseudomonas aeruginosa* in their place in the chromosome. To make this strain, plasmid pKOS97-49b was first constructed as follows. Two fragments flanking the *eryA* genes were PCR amplified from *S. erythraea* genomic DNA using the following primers (*Sph*I, *Hin*dIII, *Bam*H I, and *Eco*RI restriction sites are underlined):
eryAI left flank, forward:

5'-TTTGCATGCGGCCACGCGCACGTCGTGACC (SEQ ID NO:1),

eryAI left flank, reverse:

5'-TTAAGCTTCATATGTCCCCCTACTCGACGACCAC (SEQ ID NO:2);

eryAIII right flank, forward:

5'-TTTGGATCCGGCGGAGGGAATACATGACCACGAC (SEQ ID NO:3),

eryAIII right flank, reverse:

5'-TTT*GAATTC*CCGCTCGCTGAAGTCCAGGCT (SEQ ID NO:4).--

Paragraph [65] beginning at page 24 has been amended as follows:

S. erythraea K24-1 contains a chromosomal deletion of the three *eryA* genes and insertion of the *attB* locus for the *Streptomyces* phage phiC31 from *Streptomyces* lividans, followed by the *ermE** promoter in their place. To make this strain, plasmid pKOS134-04 was first constructed as follows. The phiC31 *attB* site was inserted between the *Hin*d III and *Bam*H I sites of pKOS97-49a using the following two annealed oligonucleotides:
forward:
5'-AGCTTCGGGTGCCAGGGCGTGCCCTTGGGCTCCCCGGGCGCGTAA-CTAGTG (SEQ ID NO:5), and

reverse:

5'-GATCCACTAGTTACGCGCCCGGGGAGCCCAAGGGCACGCCCTGG-CACCCGA (SEQ ID NO:6).

This plasmid was designated pKOS024-87. Plasmid pKOS0134-04 was made by inserting a ~300 bp *Nhe*I/*Bam*HI fragment containing the *ermE** promoter between the resulting *Spe*I and *Bam*HI sites of pKOS024-87.